

Please charge any fee deficiency or credit any overpayment to Deposit Account

No. 01-2300.

Respectfully submitted,



Douglas H. Goldhush  
Registration No. 33,125

**Customer No. 004372**  
ARENT FOX KINTNER PLOTKIN & KAHN, PLLC  
1050 Connecticut Avenue, N.W.,  
Suite 400  
Washington, D.C. 20036-5339  
Tel: (202) 857-6000  
Fax: (202) 638-4810

DHG:scc

Enclosure: Marked-up Copy of Amended Claims

09931755-082001

**MARKED-UP COPY OF AMENDED CLAIMS 4, 5, 7, 12, 14 AND 15**

**Atty. Docket No.: 108910-00042**

4. (Amended) A formulation according to [claims 1-3] claim 1, wherein the compounds of formula (IA) are used in admixture with the following anionic surfactants:



wherein n can range between 4 and 12,



wherein M=H, NH<sub>4</sub>, Na, Li, K and n can range between 2 and 5.

5. (Amended) A formulation according to [claims 1-4] claim 1, wherein the non ionic fluorinated surfactants added to the PTFE polymerization latex have the following structures:



wherein:

R<sub>f</sub> is selected from the structures (a), (b), (c), (d), (e), (f) of claim 2;

L is a divalent organic group, a linking group between R<sub>f</sub> and R<sub>h</sub>, selected from: -CO-NR<sup>1</sup>-, -CH<sub>2</sub>(OCH<sub>2</sub>CHR<sup>2</sup>)<sub>a</sub>-O-, -CH<sub>2</sub>(OCH<sub>2</sub>CHR<sup>2</sup>)<sub>b</sub>-O-CO-, -CH<sub>2</sub>O- (CH<sub>2</sub>)<sub>c</sub>-CO-O-, -CH<sub>2</sub>-CH<sub>2</sub>-O-, -CH<sub>2</sub>-CH<sub>2</sub>-; wherein R<sup>1</sup> is -H or a C<sub>1</sub>-C<sub>4</sub> alkyl; R<sup>2</sup> is -H or a C<sub>1</sub>-C<sub>2</sub> alkyl; a, b are numbers from 0 to 6, preferably from 0 to 2; C is a number from 1 to 3;

R<sub>h</sub> is a radical having a polyoxyalkylene structure selected from:

- (i) -(CH<sub>2</sub>CH<sub>2</sub>O)<sub>q</sub>CH<sub>2</sub>CH<sub>2</sub>Z, wherein: q is an integer from 5 to 70, preferably from 6 to 25; Z is selected from -OH, C<sub>1</sub>-C<sub>4</sub> alkoxy;

- (ii)  $-(\text{CH}_2\text{CH}_2\text{O})_r(\text{CH}_2\text{CH}(\text{CH}_3)\text{O})_s\text{CH}_2\text{CHR}^3\text{Z}$ , wherein  $r+s$  is an integer from 5 to 70, preferably from 10 to 50; the  $r/s$  ratio is in the range 0.1-10, preferably 0.5-5;  $\text{R}^3$  is selected between  $-\text{H}$  and  $-\text{CH}_3$ ;  $\text{Z}$  is selected between  $-\text{OH}$ ,  $\text{C}_1\text{-C}_4$  alkoxy[;].

7. (Amended) A formulation according to [claims 1-6] claim 1, wherein the PTFE is modified with one or more comonomers containing at least one unsaturation of ethylene type in an amount up to 6% molar, preferably up to 1% molar.

12. (Amended) Dielectric films obtained from the formulation according to [claims 1-11] claim 1, by the deposition of the formulation on a substratum, subsequent film sintering at a temperature higher than the PTFE melting  $T$  and subsequent air-cooling.

14. (Amended) Dielectric films according to [claims 12-13] claim 12 having a thickness lower than 200 nm, preferably in the range 50 nm - 150 nm, a dielectric constant lower than 2.2, a dielectric strength higher than 4 MV/cm and a weight loss at 425°C in the range 0.0008 - 0.02%/min.

15. (Amended) Use of dielectric films according to [claims 12-14] claim 12 for the insulation of conductors in integrated circuits.